

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A control and compensation method ~~for laser outputting, said method is used to compensate power of a laser outputting output~~ within an unstable working area for obtaining consistence of energy ~~[[same]] as in a state in a stable working area~~, said method is ~~eharacterized by that comprising the steps of:~~

providing a reference table and recording compensation power values required for each corresponding one of reaction time values in the reference table; and
~~before laser outputting providing [[.]] a short pulse by the table indexed by a laser off time before the laser [[is used to energize]]~~ energizing the laser to increase the reaction speed of ~~[[said]] the~~ laser; and

dividing an unstable working area thereafter is divided into a plurality of sections, wherein each of ~~[[said]] the~~ sections represents a reaction time value, and ~~a reference table is used using the reference table and compensating the power value for each corresponding one of to record compensation power value required for each corresponding one of said the~~ reaction time values; so that when ~~[[said]] the~~ laser ~~outputting output~~ is within ~~[[said]] the~~ unstable working area, its power is compensated in reference to ~~[[said]] the~~ reference table for various positions of ~~[[said]] the~~ sections.

2. (Currently Amended) The control and compensation method ~~for laser outputting as in~~ according to claim 1, wherein said unstable working area is divided into n sections ~~[[() and n is an integer larger than 1[()]]~~.

3. (Currently Amended) The control and compensation method ~~for laser outputting as in~~ according to claim 1, wherein said compensation power value is determined in corresponding

to one of said reaction time values.

4. (Currently Amended) The control and compensation method ~~for laser outputting as~~
~~in~~according to claim 1, wherein

a. upon starting emission of said laser, said laser is in a low energy state, a preset pulse is used to charge said laser system to increase reaction speed of said laser; and wherein the width of ~~[[said]]the~~ pulse is determined by a time when ~~[[said]]the~~ laser ~~[[system]]~~ is turned off;

b. then power of said laser ~~outputting~~output is compensated in reference to said reference table;

c. when said laser outputting is kept on within said unstable working area, said power is automatically compensated in reference to said reference table by automatically checking out positions of said sections following increasing of work output; and

d. when ~~[[said]]the~~ laser ~~outputting~~output passes over ~~[[said]]the~~ unstable working area to ~~[[said]]the~~ stable working area, ~~[[said]]the~~ corresponding one of ~~[[said]]the~~ reaction time values is a constant value, and compensation stops and normal energy output is maintained.